|     | Index of Claims |          |           |              |          |          |          |          |          |          |            |              |                 | Application/Control No. |          |               |               |                 |           |             |                |              |            | Applicant(s)/Patent under Reexamination |                |               |                 |           |                    |                |   |   |  |  |
|-----|-----------------|----------|-----------|--------------|----------|----------|----------|----------|----------|----------|------------|--------------|-----------------|-------------------------|----------|---------------|---------------|-----------------|-----------|-------------|----------------|--------------|------------|---|----------------|---------------|-----------------|-----------|--------------------|----------------|---|---|--|--|
|     |                 |          |           |              |          |          |          |          |          |          |            |              |                 |                         |          | 10/630,217    |               |                 |           |             |                |              |            |   |                | BECKER ET AL. |                 |           |                    |                |   |   |  |  |
|     |                 |          |           |              |          |          |          |          | Ш        |          |            |              |                 |                         |          | Examiner      |               |                 |           |             |                |              |            |   | Art Unit       |               |                 |           |                    |                |   |   |  |  |
|     |                 | 1 12511  | 1 1181    |              | is ci    |          |          | LIKE (   | 18811    |          | II IBA     |              |                 |                         |          | David M. Naff |               |                 |           |             |                |              |            | 16                                      | 51             |               |                 |           |                    |                |   |   |  |  |
|     | √ Rejected      |          |           |              |          |          |          |          |          |          |            |              | (Through numers |                         |          |               | ) N           |                 |           | Non-Elected |                |              | nd         | A                                       | Appeal         |               |                 |           |                    |                |   |   |  |  |
|     | =               |          |           |              |          |          | Allowed  |          |          |          | Restricted |              |                 |                         |          |               | ı             | Interferen      |           |             | nce            |              | 0          | Objected                                |                |               |                 |           |                    |                |   |   |  |  |
| 1   | Cla             | aim      |           |              | Date     |          |          | 9        |          |          | <u></u>    | Claim        |                 |                         |          |               | Date          | B               |           |             | С              | Claim        | Γ          | Date                                    |                |               |                 |           |                    | ;              |   |   |  |  |
|     | Final           | Original | 90/12/    | 200          | )        |          |          |          |          |          |            | Final        | Original        |                         |          |               |               |                 |           |             |                | Final        | Original   |   |                |               |                 |           |                    |                |   |   |  |  |
|     |                 | 1        | L         | 7            | 1        | H        | Н        | $\vdash$ | Н        | _        | 4          | <u> </u>     | 51              | Н                       | +        | +             | ├-            |                 |           | $\dashv$    | -              |              | 101        | $\vdash$                                |                | +             | Н               | Н         | -                  | Н              |   |   |  |  |
|     |                 | 1        |           |              |          |          |          |          |          |          | _          |              | 52              | ▤                       | $\perp$  | 土             |               |                 |           |             | <b>=</b>       |              | 102        | П                                       |                |               |                 |           | 1                  |                | 1 |   |  |  |
|     |                 | 1        | $\vdash$  | -            | -        | -        | $\vdash$ | Н        | Н        | $\perp$  | ┨.         | <u> </u>     | 53<br>54        | H                       | $\dashv$ | +             | ╁             | Н               | $\dashv$  | -           | 4              | <u> </u>     | 103        | $\vdash$                                | +              | +-            | Ш               |           |                    | Н              |   | • |  |  |
|     |                 | 1        |           |              | $\vdash$ |          |          | Н        |          |          | ╣.         |              | 55              |                         | $\perp$  |               | <del> -</del> |                 |           | $\dashv$    | ┥.             | -            | 105        | $\vdash$                                | +              | +             | Н               | $\dashv$  | +                  | Н              |   |   |  |  |
|     |                 | -        | П         |              | _        |          |          |          |          |          | 7          |              | 56              | $\Box$                  |          |               |               |                 |           | $\exists$   |                |              | 106        | П                                       | $\blacksquare$ | Ţ             |                 | $\Box$    |                    | $\Box$         |   |   |  |  |
|     |                 | 1        | Н         |              | -        | -        | H        | _        | Н        | +        | ┨          | -            | 57<br>58        | $\vdash$                | +        | +             | ╁             | Н               | Н         | ┰           | -              | _            | 107<br>108 | ╂╼╂                                     | +              | ╁             | H               | $\dashv$  | -                  | ╁╌             |   |   |  |  |
|     |                 | 9        |           |              |          |          |          |          |          |          | 1          |              | 59              | П                       | 土        | 士             |               |                 |           |             | ╝.             |              | 109        |   |                |               |                 |           |                    | Ш              |   |   |  |  |
|     |                 | 10       | Ш         |              |          | _        |          | П        | $\Box$   | _        | 4          | _            | 60              | Н                       | 1        | 4             |               |                 | Ц         | $\dashv$    | ☐ ·            |              | 110        | П                                       | $\perp$        | 1             |                 | $\Box$    | $\bot$             | П              |   |   |  |  |
| l   |                 | 12       | v         | $\leftarrow$ | H        | H        | Н        | Н        | Н        | +        | 1          |              | 61<br>62        | $\forall$               | ╅        | ╁             | H             | H               |           | $\dashv$    | ┨.             | $\vdash$     | 111<br>112 | ╁┼                                      | +              | +-            | Н               | $\dashv$  | $\dashv$           | H              |   |   |  |  |
|     |                 | 13       | Ī         |              |          |          |          |          |          |          | 1          |              | 63              |                         | 士        | I             |               |                 |           |             |                |              | 113        | П                                       |                |               |                 |           | 土                  |                |   |   |  |  |
|     |                 | 14<br>15 | Н         | 4            | -        | -        | Н        | Н        | Н        | +        | 4          | <u> </u>     | 64<br>65        | H                       | +        | +             | ├-            | Н               | $\dashv$  | +           | -              | -            | 114<br>115 | ╂╌┨                                     | -              | +-            | $\vdash \vdash$ | $\dashv$  | - -                | ╀╌┤            |   |   |  |  |
|     |                 | 16       | Н         | +            | Н        | ┝        | -        | Н        | H        | +        | 1          | -            | 66              | H                       | +        | Ť             | $\vdash$      | H               | $\exists$ | $\dashv$    | -              | <del> </del> | 116        | ╂╌┨                                     | $\dashv$       | +             | Н               | $\dashv$  | +                  | H              |   |   |  |  |
| ,   |                 | 17       | П         | $\Box$       |          |          |          |          |          |          | ]          |              | 67              |                         | 1        |               |               |                 |           |             |                |              | 117        | П                                       |                | 工             |                 |           |                    | П              |   |   |  |  |
|     |                 | 18<br>19 | Н         | +            |          | ┝        |          | Н        | $\vdash$ | _        | ┨          | -            | 68<br>69        | Н                       | +        | +-            | ⊢             | Н               | $\dashv$  | 4           | ┨.             | -            | 118<br>119 | ╁┤                                      |                | +             | Н               |           | -                  | Н              |   |   |  |  |
|     |                 | 20       | Н         | +            |          |          |          |          | H        | $\top$   | ┪ .        |              | 70              | $\Box$                  | $\top$   | +             |               | Н               |           | $\dashv$    | ┥.             | _            | 120        | $\vdash$                                | +              | +             | Н               |           | +                  | $\vdash$       |   |   |  |  |
|     |                 | 21       | П         | I            |          |          |          |          |          |          | ]          |              | 71              | П                       | $\perp$  |               | L             | П               |           | $\Box$      | $\Box$         |              | 121        | П                                       | 1              | I             | 口               | $\Box$    | 工                  | П              |   |   |  |  |
|     |                 | 22<br>23 | Н         | +            | ┝        |          | Н        | Н        | Н        |          | -          | <u> </u>     | 72<br>73        | $\vdash$                | +        | +             | $\vdash$      | Н               | $\dashv$  | -+          | $\dashv \cdot$ | <u> </u>     | 122<br>123 | H                                       | +              | ╁             | ╌┤              | -         | -                  | ╀┤             |   |   |  |  |
|     |                 | 24       | Ш         | $\pm$        |          |          |          |          |          |          |            |              | 74              | $\Box$                  | 士        |               |               |                 |           | $\exists$   | ┪.             |              | 124        | 目                                       |                | $\top$        |                 |           | $\top$             | H              |   |   |  |  |
|     |                 | 25       | П         | $\downarrow$ |          |          |          |          | П        |          | 7          |              | 75              | $\Box$                  | $\top$   | $\top$        |               | П               |           | _           |                |              | 125        | П                                       | $\blacksquare$ | 1             |                 | $\Box$    | $\perp$            | $\Box$         |   |   |  |  |
|     |                 | 26<br>27 | Н         | +            | H        | Н        | Н        | -        | Н        | -        | ┨          | -            | 76<br>77        | $\vdash$                | +        | ╫             | ┢             | Н               | $\dashv$  | -+          | ┥.             | -            | 126<br>127 | ╌┤                                      | +              | +             | -               | -         | -                  | Н              |   |   |  |  |
|     |                 | 28       |           | I            |          |          |          |          |          |          | _          |              | 78              |                         |          |               |               |                 |           |             | ٦٠             |              | 128        |   | 士              |               |                 | $\exists$ | 土                  | Ħ              |   |   |  |  |
| ŀ   |                 | 29       | Ш         | ۲,           | u        | Н        | Щ        | Щ        | $\sqcup$ | _        | 4          |              | 79<br>80        | $\vdash$                |          | 4-            | _             | Ц               | 4         | $\perp$     | _              | <u> </u>     | 129        | Н                                       |                | 1             |                 | _         | $\dashv$           |                |   |   |  |  |
| ŀ   |                 | 30<br>31 | V         | ₩.           |          | Н        | Н        | Н        | $\dashv$ | $\dashv$ | ┨          | <del>-</del> | 81              | $\vdash$                | +        | +             | $\vdash$      | Н               | -         | $\dashv$    | $\dashv$       | -            | 130        | Н                                       | +              | ╁╌            | Н               | $\dashv$  |                    | H              |   |   |  |  |
| Į.  |                 | 32       |           |              |          |          |          |          |          |          | ]          |              | 82              |                         | #        | $\bot$        |               |                 |           | $\Box$      | <b>_</b>       |              | 132        |   |                |               |                 |           |                    | $\square$      |   |   |  |  |
| }   |                 | 33<br>34 | Н         |              | -        | Н        | Н        | Н        | $\dashv$ | +        | -          |              | 83<br>84        | $\vdash$                |          | +-            | ⊢             | Н               | $\dashv$  | $\dashv$    | -              | -            | 133<br>134 | Н                                       | +              | -             | $\vdash$        | $\dashv$  | +                  | $\vdash\vdash$ |   |   |  |  |
| l   |                 | 35       |           |              |          |          |          |          |          |          | 1          | <u> </u>     | 85              | $\Box$                  | 十        |               | $\vdash$      |                 | _         | 7           | ㅓ              | <u> </u>     | 135        | $\square$                               | 十              | +-            | Н               |           | +                  | Н              |   |   |  |  |
|     |                 | 36       |           |              |          |          | Ц        |          | $\Box$   |          | ]          |              | 86              | $\Box$                  | $\Box$   | $\perp$       |               |                 |           | $\Box$      |                |              | 136        | П                                       |                |               |                 |           |                    | П              |   |   |  |  |
|     | -               | 37<br>38 | Н         |              | $\vdash$ | Н        | Н        | _        | $\dashv$ | +        | -          |              | 87<br>88        | $\dashv$                | +        | ┿             | $\vdash$      | Н               | $\dashv$  | -           | $\dashv$       |              | 137<br>138 | H                                       | +              | ╁             | $\vdash$        | +         | -                  | Н              |   |   |  |  |
| į   |                 | 39       |           |              |          |          |          |          |          | 士        | _          |              | 89              |                         | 士        | 1             |               |                 |           | $\exists$   | _              |              | 139        | $\Box$                                  |                | 1             |                 |           |                    | $\Box$         |   |   |  |  |
|     |                 | 40<br>41 | Н         |              | $\sqcup$ |          | Ц        |          | $\dashv$ | $\perp$  | 4          |              | 90<br>91        | 4                       | $\bot$   | +             |               |                 | $\dashv$  | Ţ           | 7              |              | 140        | П                                       | $\bot$         |               | П               | $\neg$    | $oldsymbol{\perp}$ | П              |   |   |  |  |
| . } |                 | 42       | Н         | $\exists$    | $\vdash$ |          | H        | $\dashv$ | $\vdash$ | +        | 1          | $\vdash$     | 92              | -+                      | +        | ╁             | +             | H               |           | $\dashv$    | $\dashv$       | -            | 141        | $\vdash \vdash$                         | +              | +-            | $\vdash$        | $\dashv$  | +                  | Н              |   |   |  |  |
| ļ   |                 | 43       | $\square$ |              |          |          |          | $\Box$   | $\Box$   | $\perp$  | ]          |              | 93              | $\sqsupset$             | 1        | $\perp$       |               |                 | コ         | コ           |                |              | 143        |   | $\bot$         | 1             | 口               | コ         | 丰                  | 口              |   |   |  |  |
| - 1 |                 | 44       | $\dashv$  | $\dashv$     | Н        | Н        | Н        | Н        | $\dashv$ | +        | -          | <u> </u>     | 94<br>95        | $\vdash$                | +        |               |               | $\vdash \vdash$ |           | +           | $\dashv$       |              | 144        | $\vdash \vdash$                         | +              | +             | H               | $\dashv$  | +                  | $\vdash$       |   |   |  |  |
| l   |                 | 46       |           |              |          |          |          |          |          | 士        | 1          |              | 96              |                         | 士        | 士             |               | H               | ╛         | 士           | _              |              | 146        |   | _              | +-            |                 | _         | _                  | H              |   |   |  |  |
| [   |                 | 47<br>48 | П         | _            |          |          |          | $\Box$   | $\Box$   | $\perp$  | ] .        |              | 97              | $\Box$                  | 7        | L             |               |                 | コ         | コ           | $\exists$      |              | 147        |   | 7              | 厂             | П               | $\Box$    | Ţ                  | П              |   |   |  |  |
| ŀ   |                 | 48       | $\dashv$  | -            | Н        | $\dashv$ | H        | $\dashv$ | $\dashv$ | -        | $\dashv$   |              | 98<br>99        | +                       | +        | +-            | $\vdash$      | Н               | +         | +           | $\dashv$       | <b> </b>     | 148<br>149 | $\vdash \vdash$                         | +              | +             | $\vdash$        | $\dashv$  | +                  | Н              |   |   |  |  |
| - 1 |                 | 50       | $\dashv$  | _            | Н        |          | $\vdash$ |          | _        | _        | <b>1</b>   |              | 100             | $\rightarrow$           | -        | +             | т             | $\vdash$        | -+        | -+          | {              |              | 150        | ↤                                       |                | +-            | ┰               | -         | -                  | ↤              |   |   |  |  |